

Art Unit: 1724

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1. (Four Times Amended) A process for drying wet F32, which comprises placing a stream of the said F32 in continuous contact with a feed stock of a composition comprising a molecular sieve selected from a 3A, 4A or 5A type sieve, at a first temperature of between 5 and 78°C, and at a first pressure of between 0.6 and 25 atm,

wherein the sieve feed stock is regenerated by the process which consists in passing a stream of an inert gas over the feed stock, at a second pressure at about atmospheric pressure:

- (i) at a second temperature between 70°C and 170°C, for the time required to remove at least 80%, of the initial amount of F32 absorbed in the feed stock, and then
- (ii) at a third temperature between 180°C and 300°C, for the time required to remove at least 90%, of the initial amount of water absorbed in the feed stock.

2. (Thrice Amended) The process according to claim 1, wherein the stream of F32 to be dried is a stream of gas, and the first pressure is between 0.6 and 10 atm.

3. (Twice Amended) The process according to claim 1, wherein the stream of F32 comprises a water content of less than 10,000 ppm.

4. (Twice Amended) The process according to claim 1, wherein the wet F32 is placed in contact with the sieve feed stock in a column located downstream of a plant for manufacturing F32.

Art Unit: 1724

5. (Twice Amended) The process according to claim 1, wherein the molecular sieve used is a 3A type sieve.

Claims 6 – 10 canceled.

11. (Twice Amended) The process according to claim 1, wherein the first temperature is room temperature.

12. (Twice Amended) The process according to claim 1, wherein the first pressure is between 0.8 and 17 atm.

13. (Twice Amended) The process according to claim 2, wherein the first pressure is between 0.8 and 5 atm.

14. (Amended) The process according to claim 3, wherein the water content is less than 6000 ppm.

Claim 15 canceled.

16. (Thrice Amended) The process according to claim 1, wherein the second temperature is between 80°C and 165°C and at least 90% of the initial amount of F32 absorbed in the feed stock is removed.

17. (Thrice Amended) The process according to claim 1, wherein the third temperature is between 190°C and 250°C and at least 95% of the initial amount of F32 absorbed in the feed stock is removed.

Claims 18 – 20 canceled.

Art Unit: 1724

21. (Amended) A process for drying wet F32, which comprises placing a stream of the said F32, comprising a water content of less than 10,000 ppm, in continuous contact with a feed stock of a composition comprising a molecular sieve selected from a 3A, 4A or 5A type sieve, at a temperature of between 5 and 78°C, and at a pressure of between 0.6 and 25 atm,

wherein the sieve feed stock is regenerated by the process which consists in passing a stream of an inert gas over the feed stock, at a pressure at about atmospheric pressure:

(i) at a temperature between 70°C and 170°C, for the time required to remove at least 80%, of the initial amount of F32 absorbed in the feed stock, and then

(ii) at another temperature between 180°C and 300°C, for the time required to remove at least 90%, of the initial amount of water absorbed in the feed stock.

22. (Once Amended) The process according to claim 1, wherein the inert gas is helium.